

**FIG. 1**

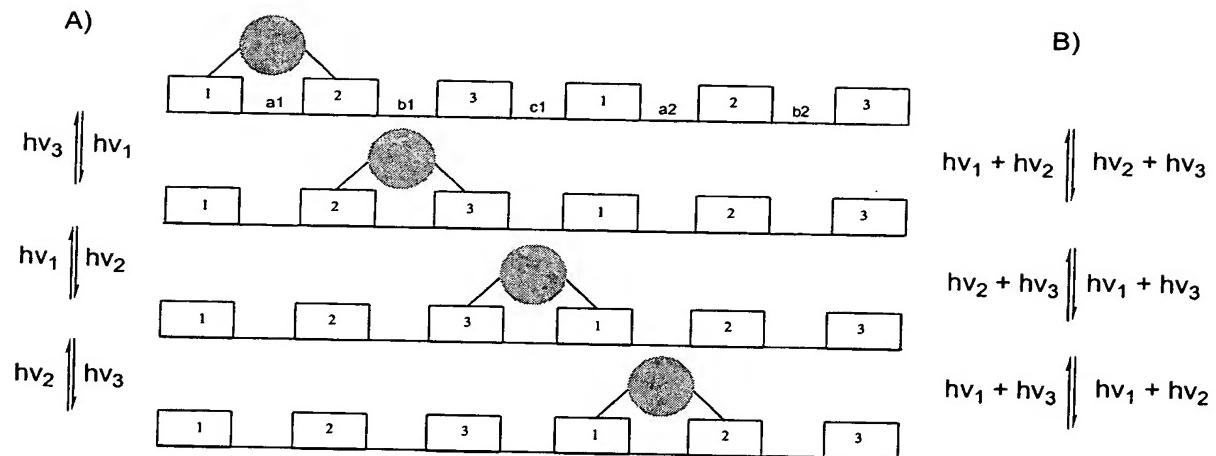
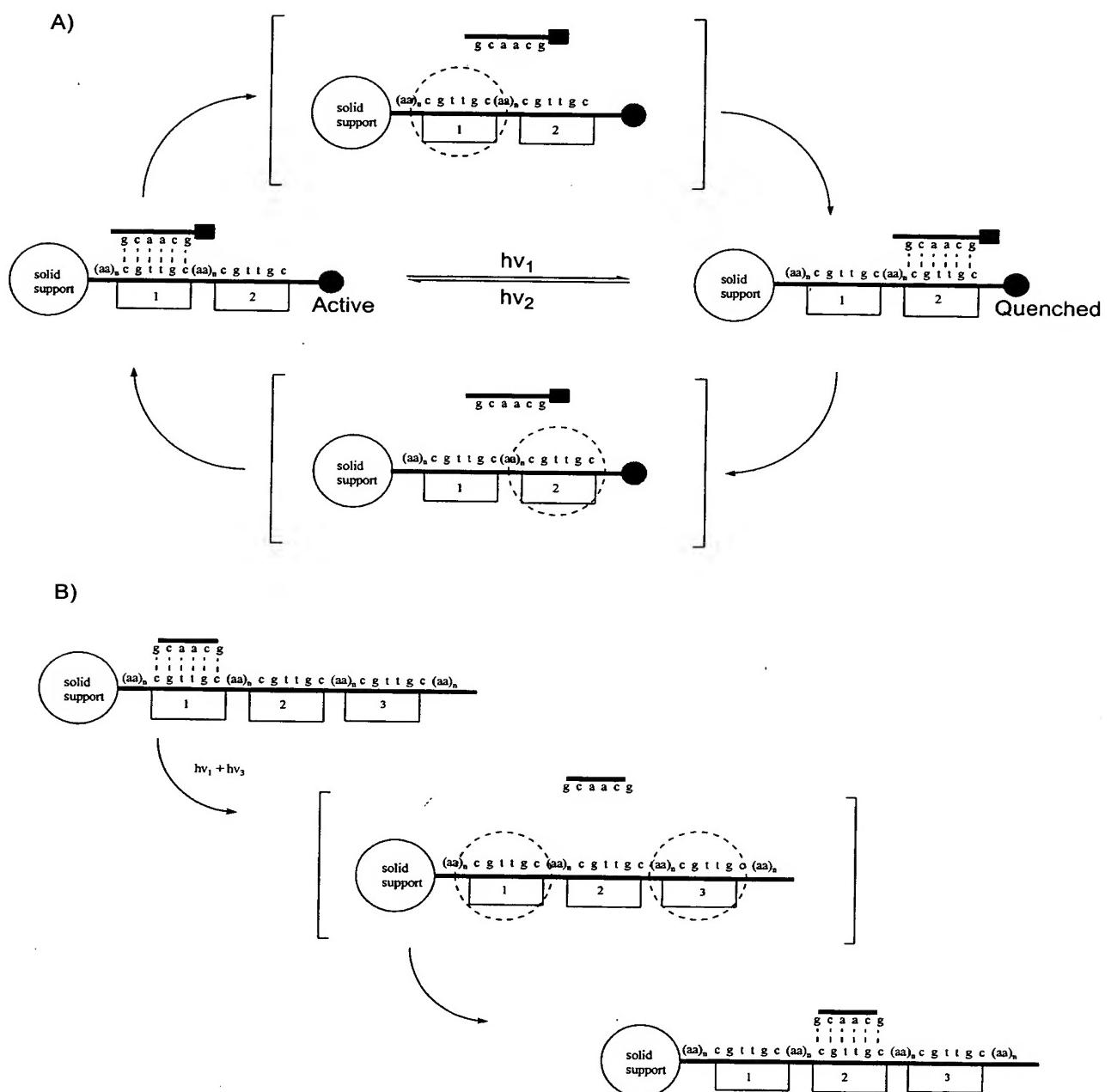


FIG. 2



**FIG. 3**

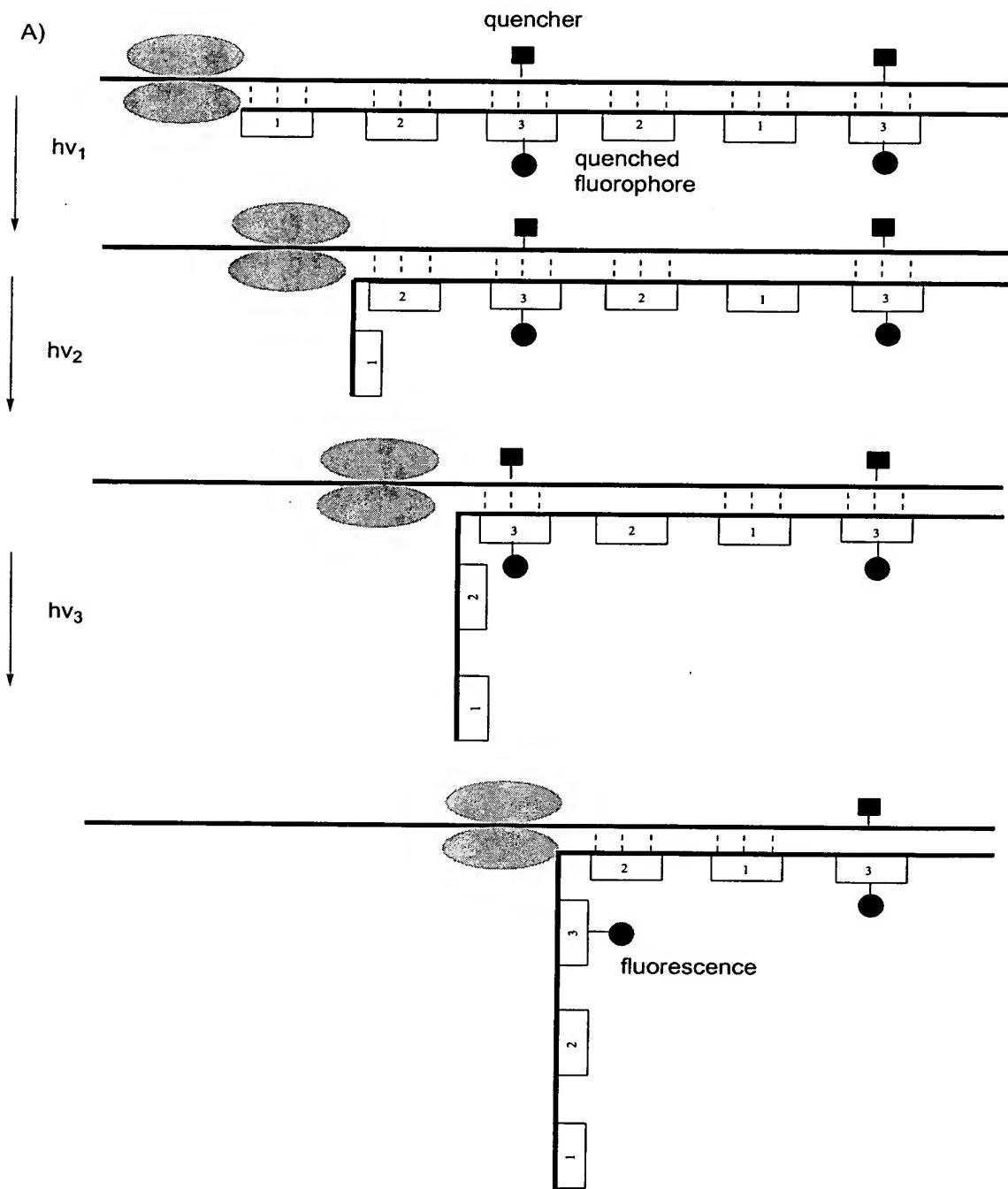
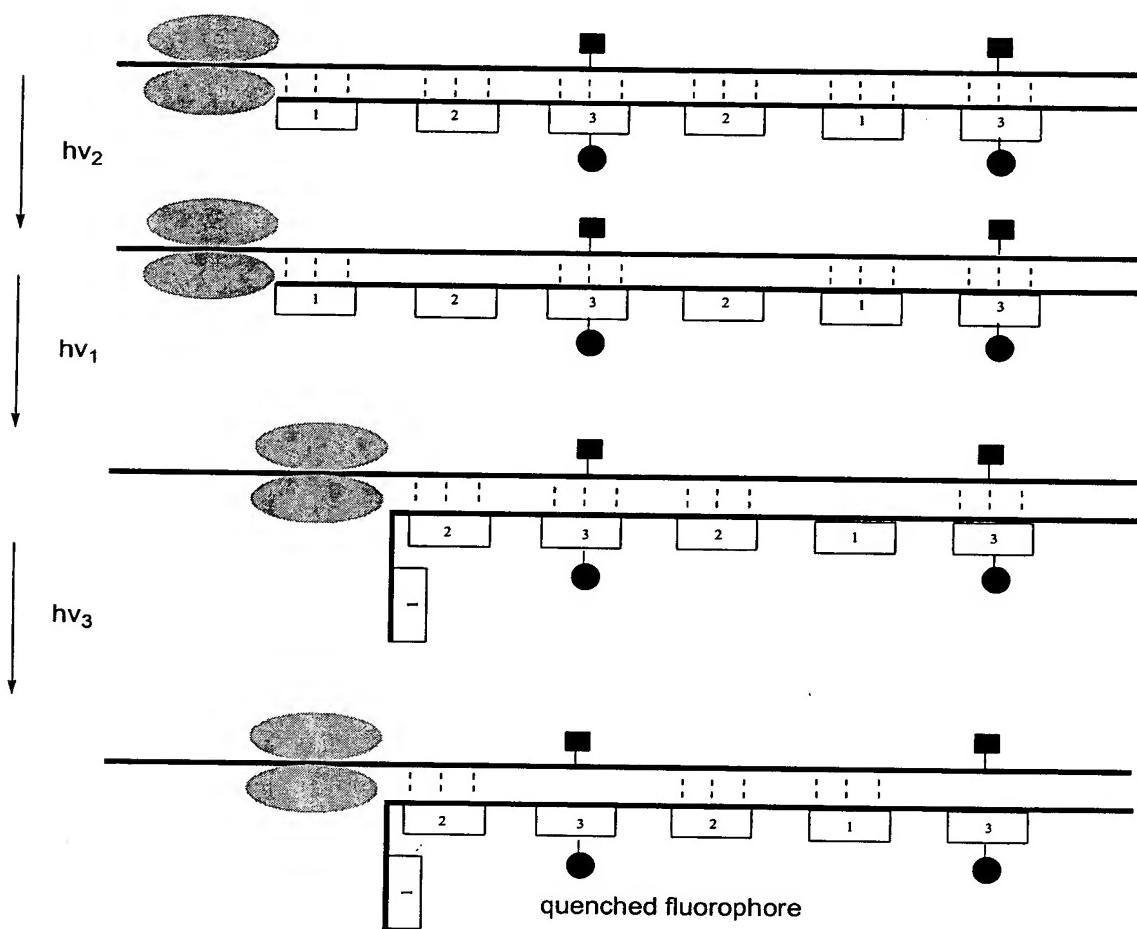
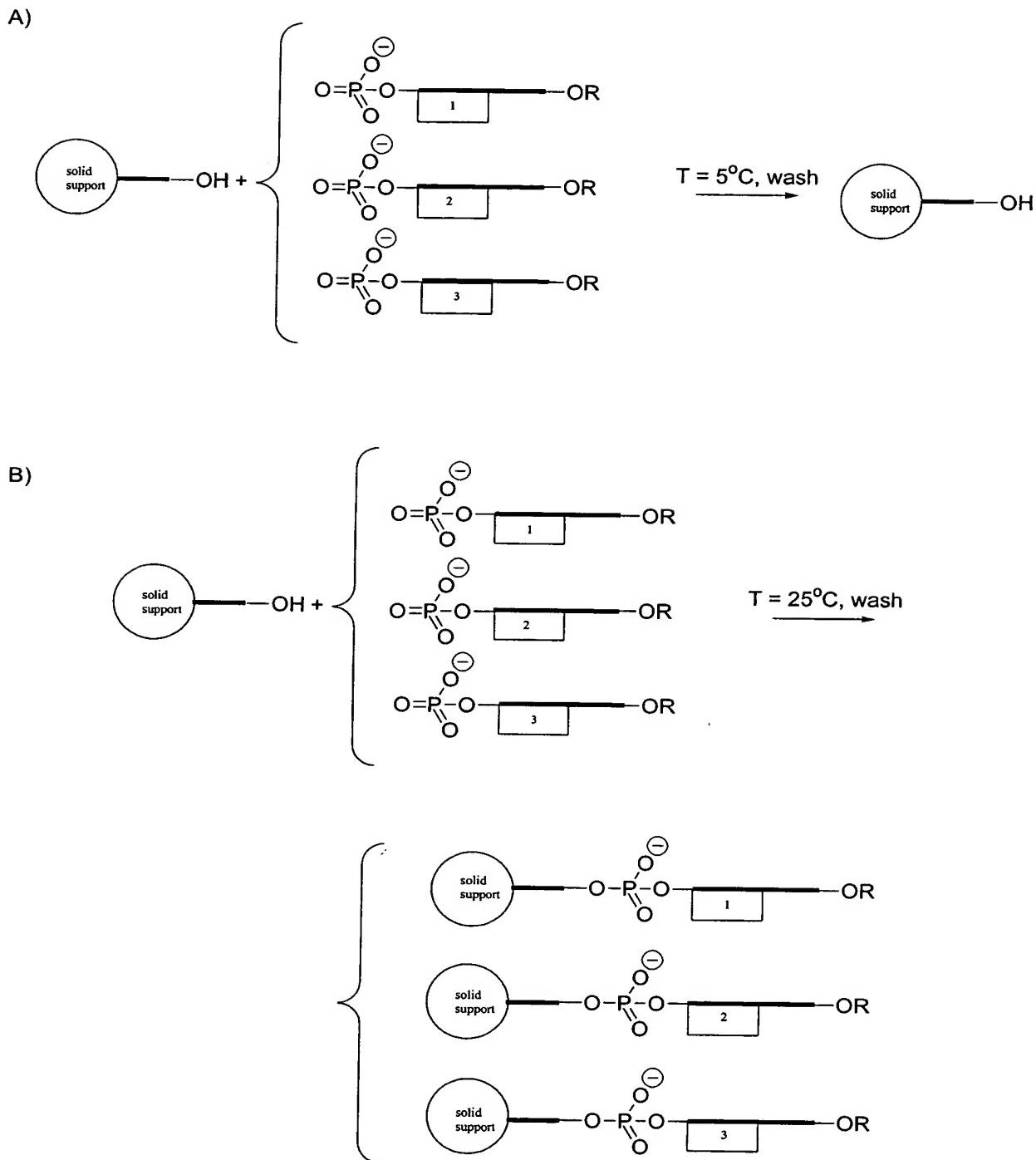


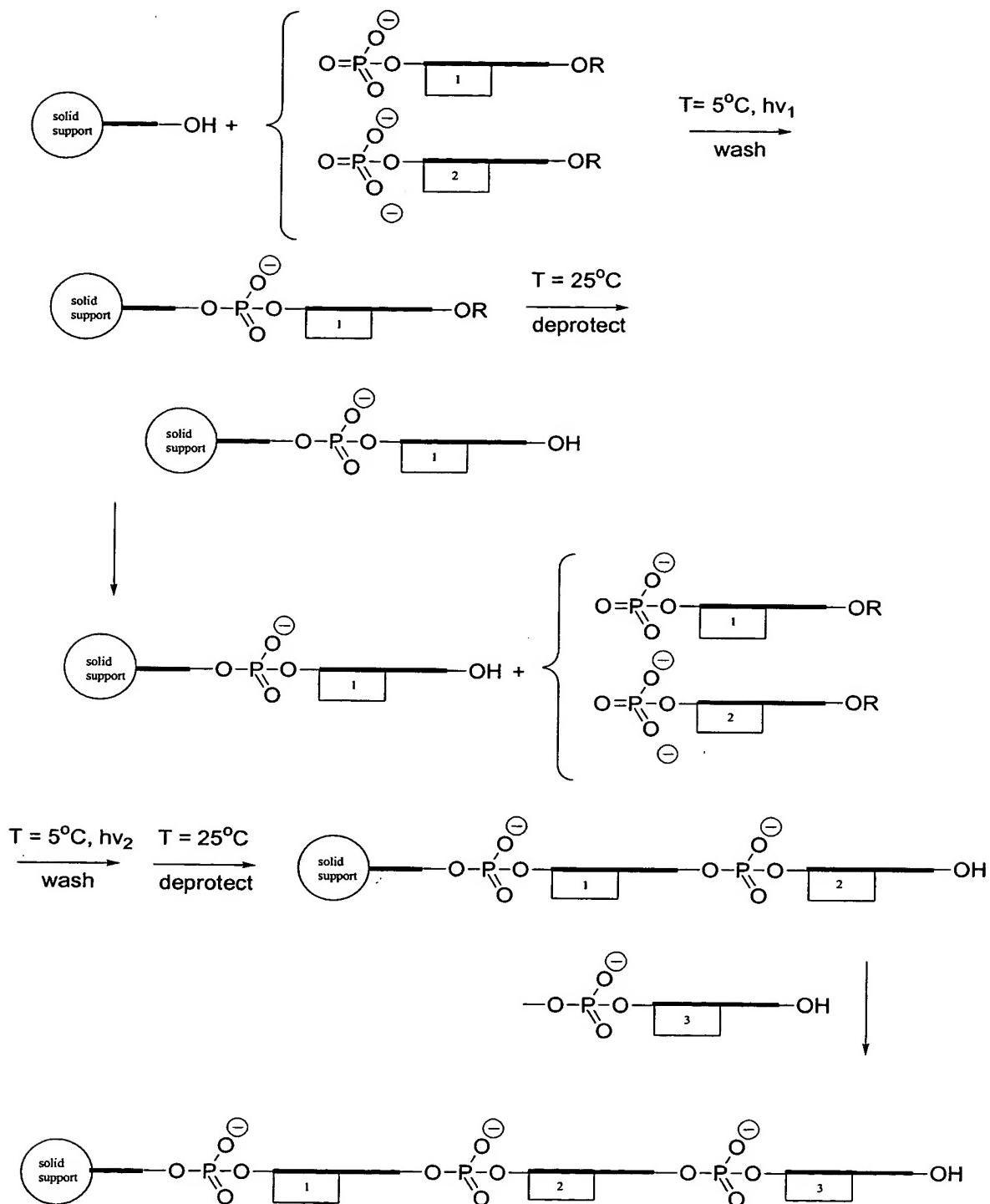
FIG. 4a



**FIG. 4b**



**FIG. 5 a and b**



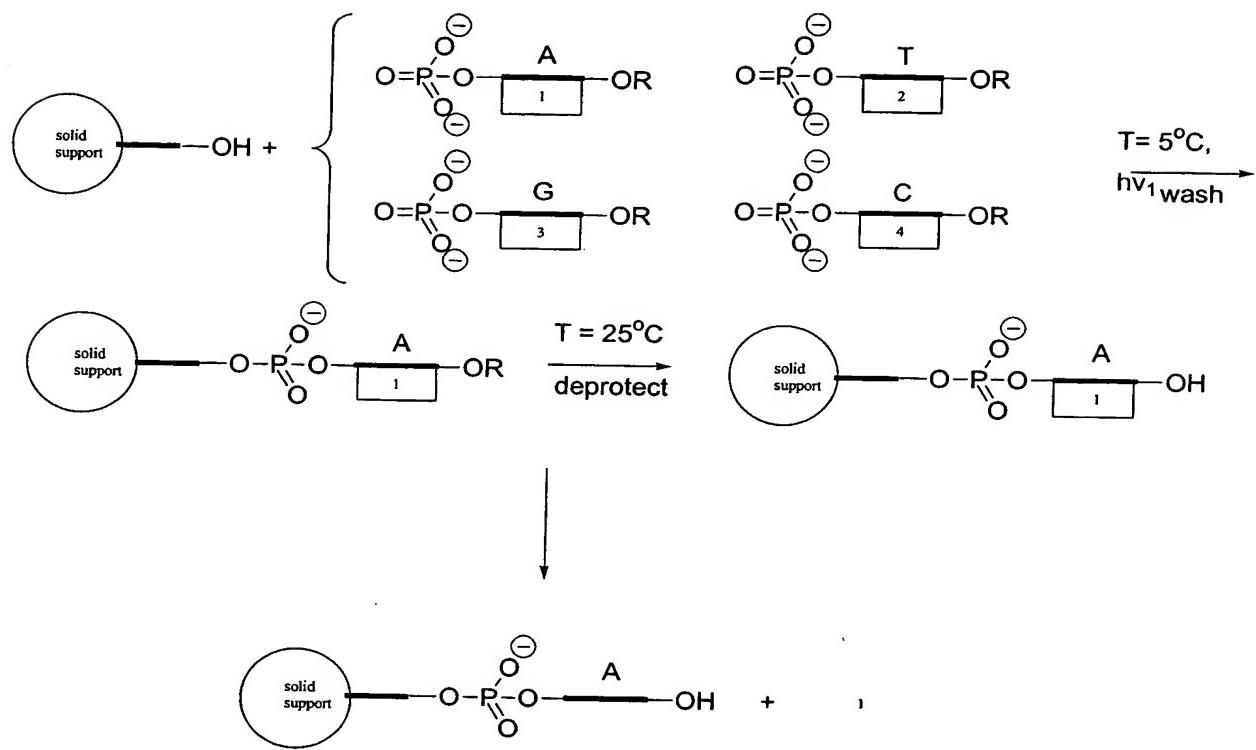
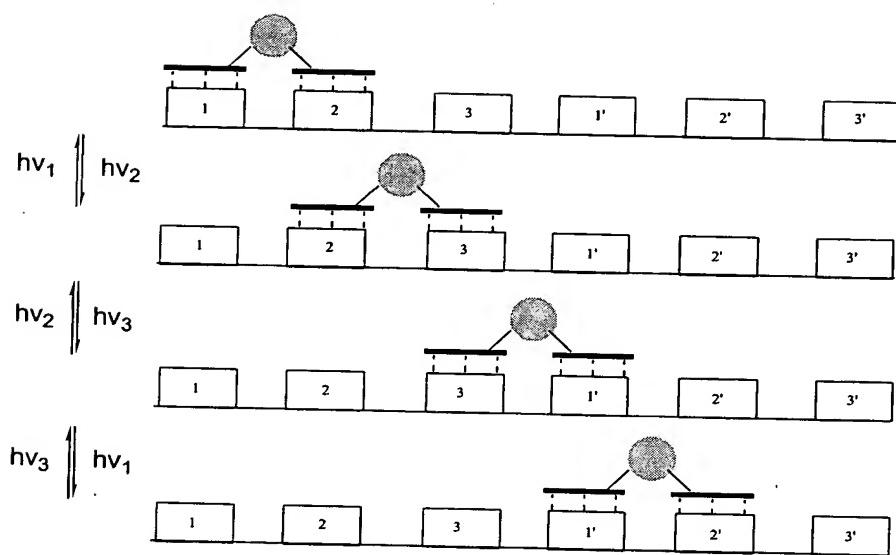
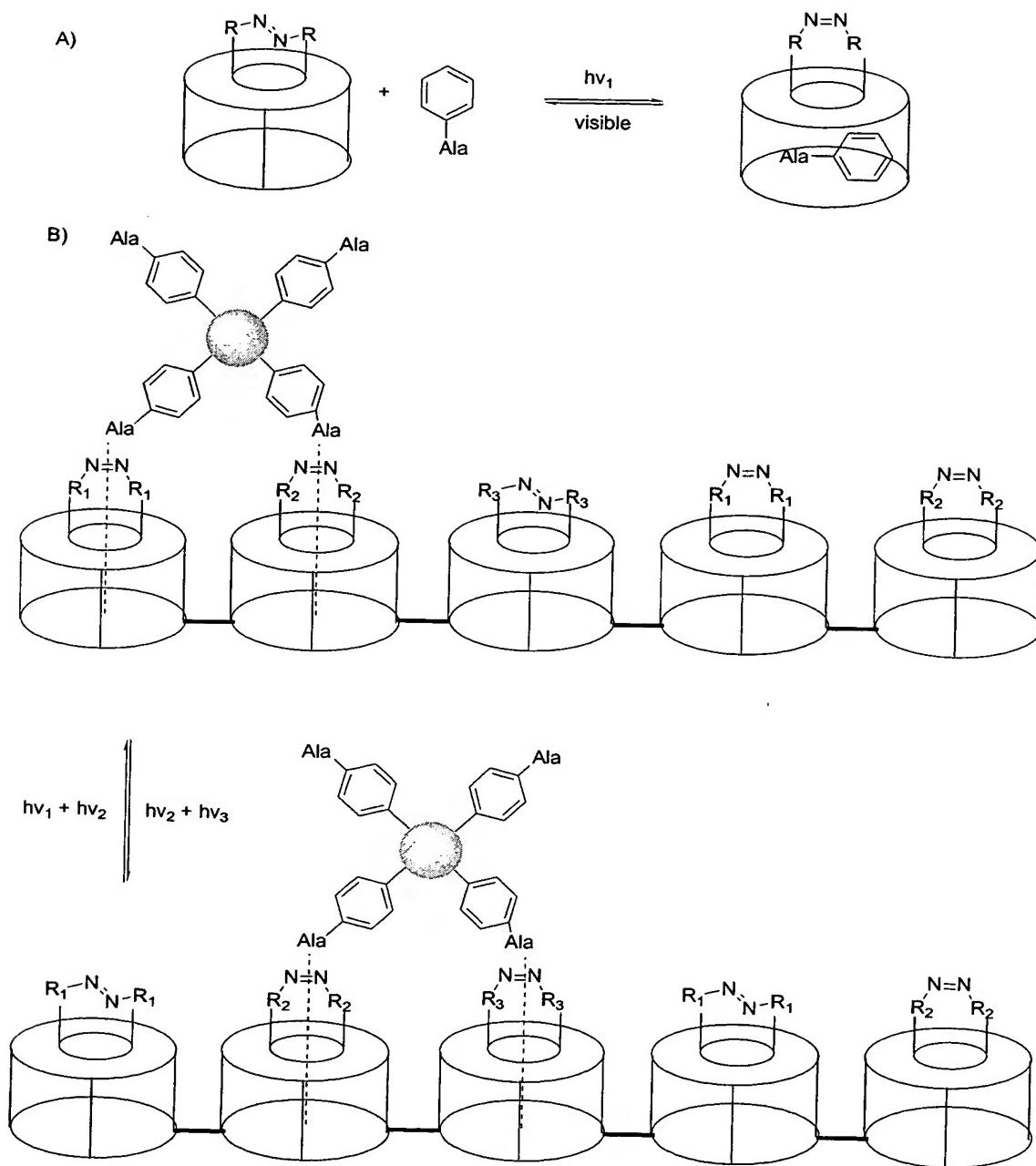


FIG. 5d



**FIG. 6**



**FIG. 7**

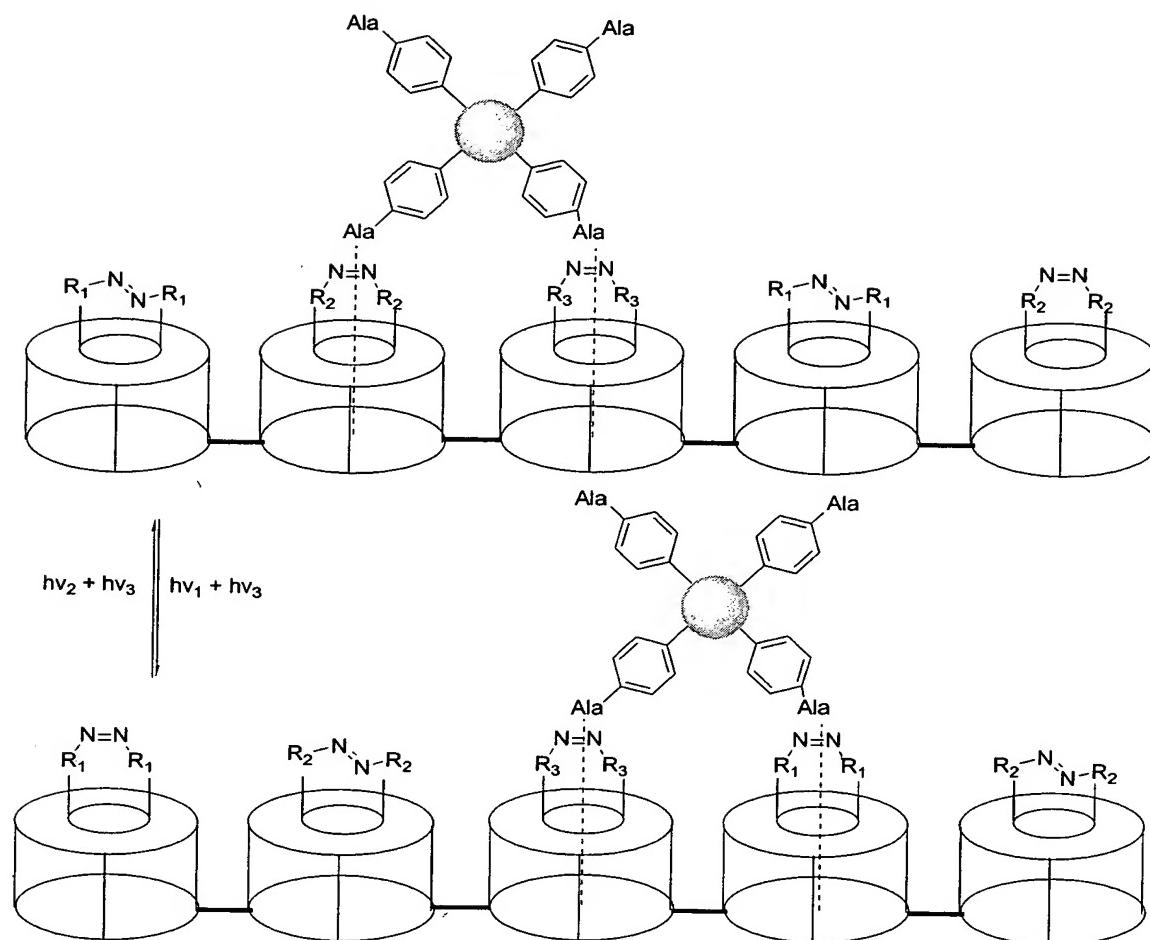
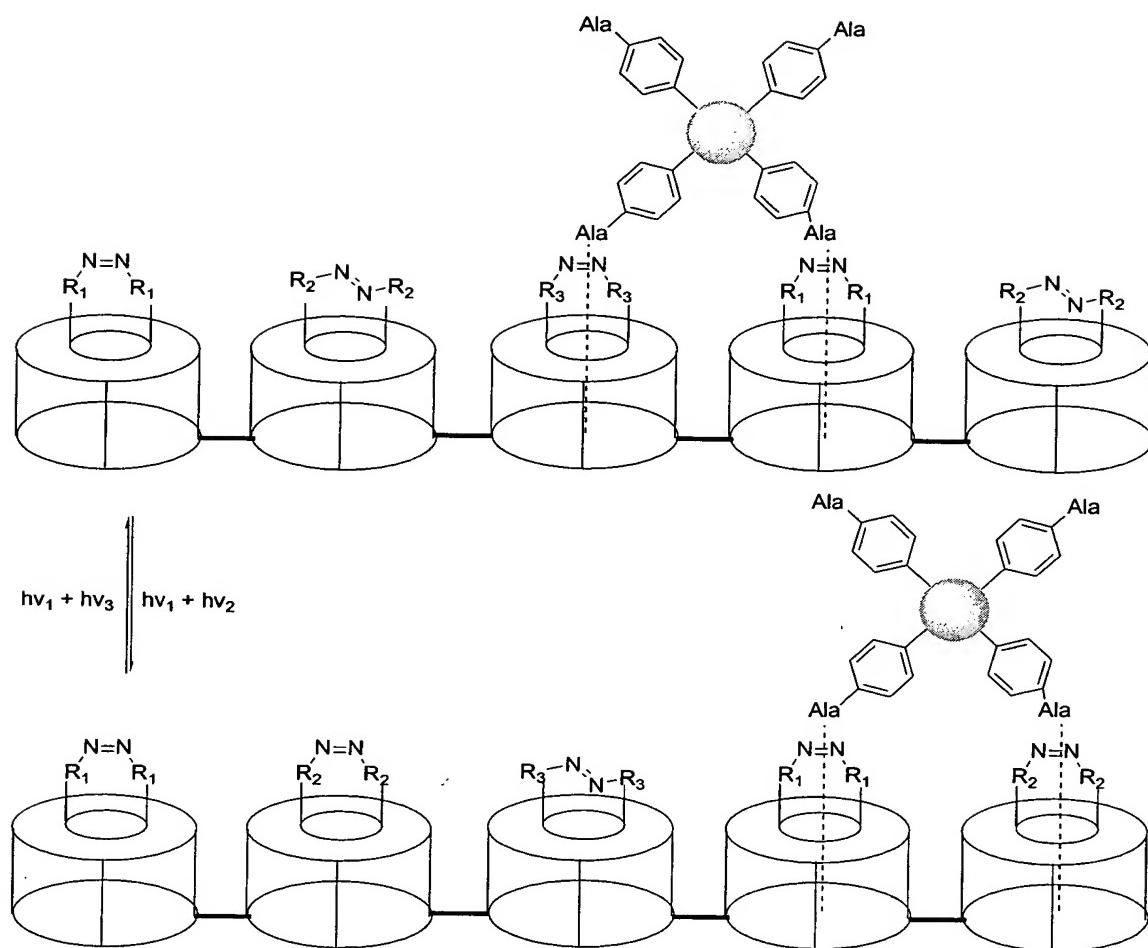
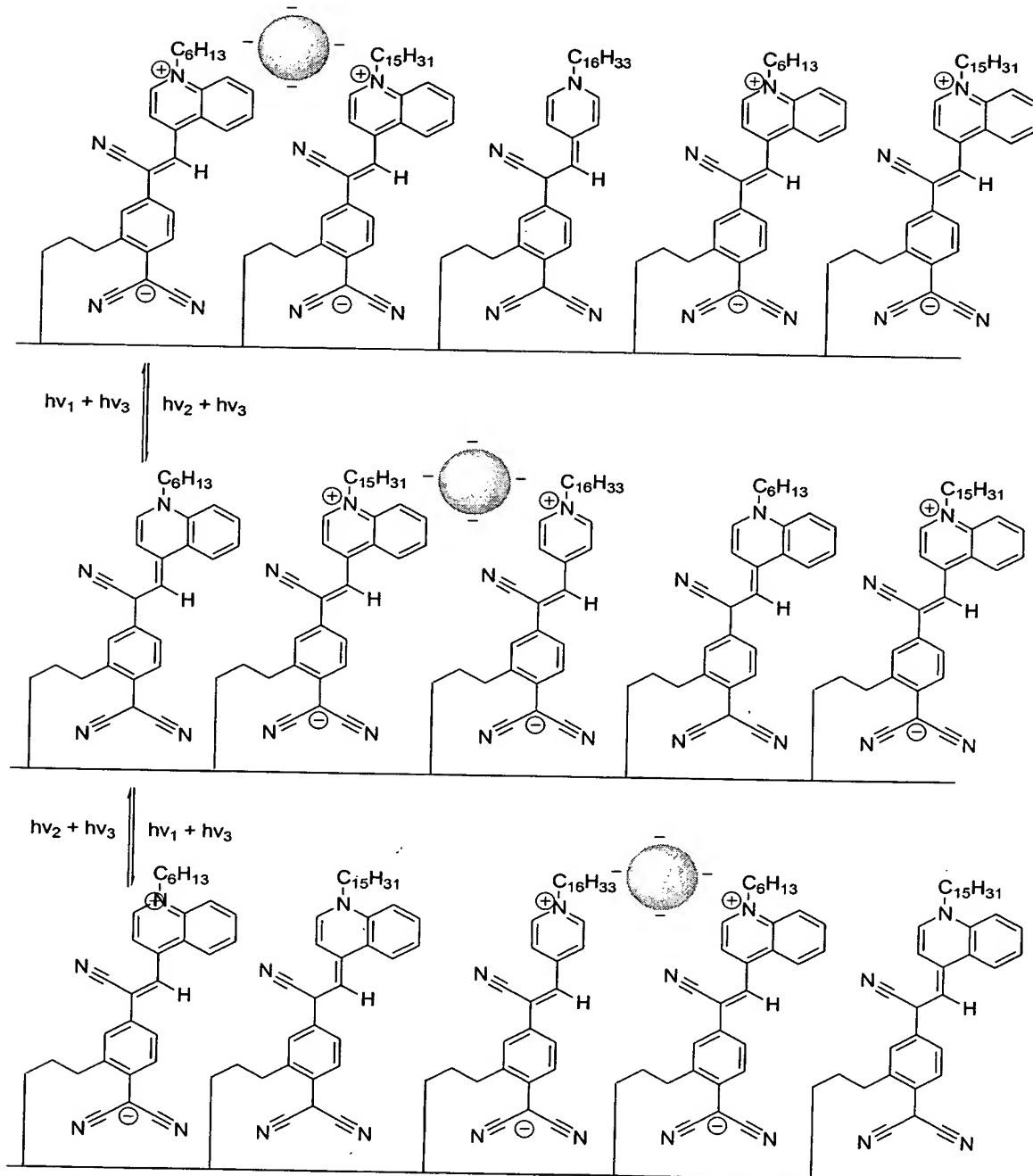


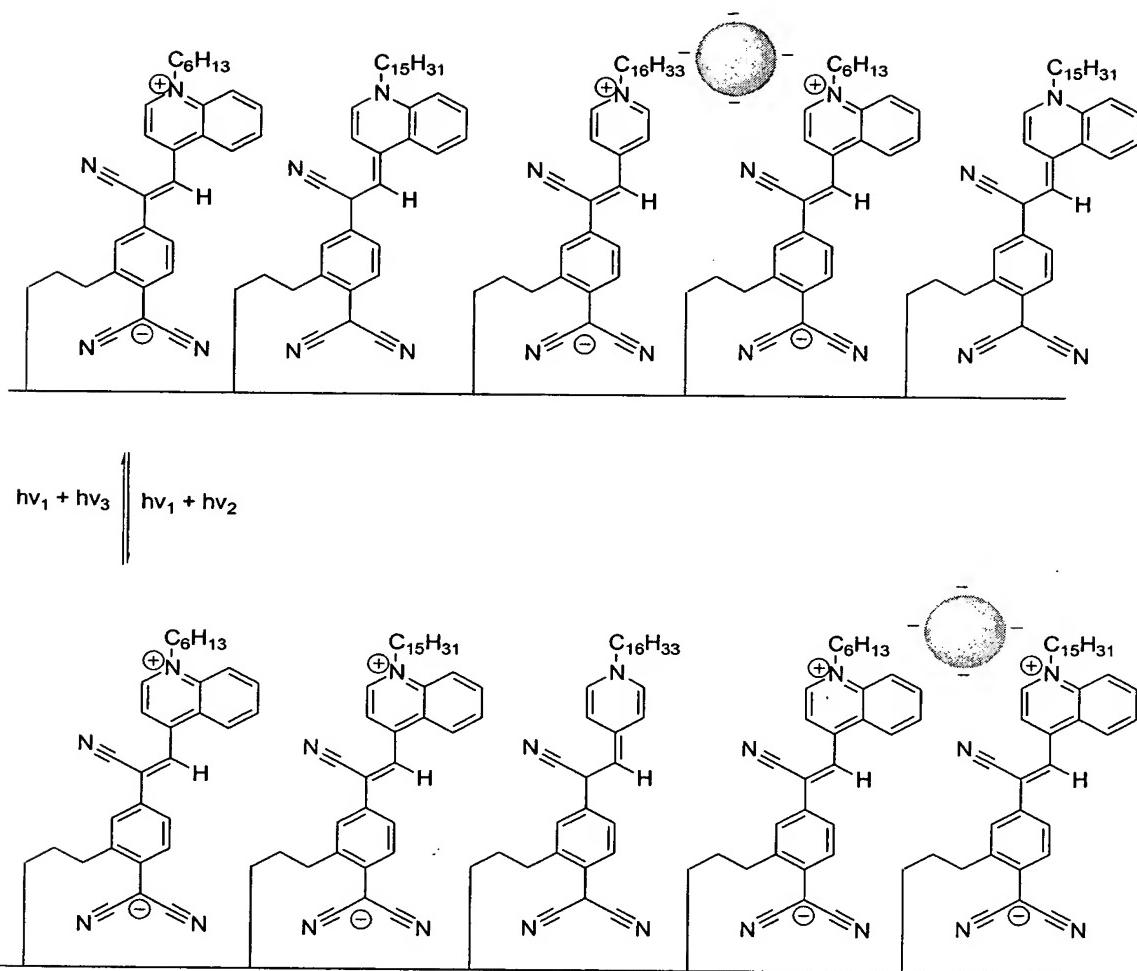
FIG. 7



**FIG. 7**



**FIG. 8**



**FIG. 8**

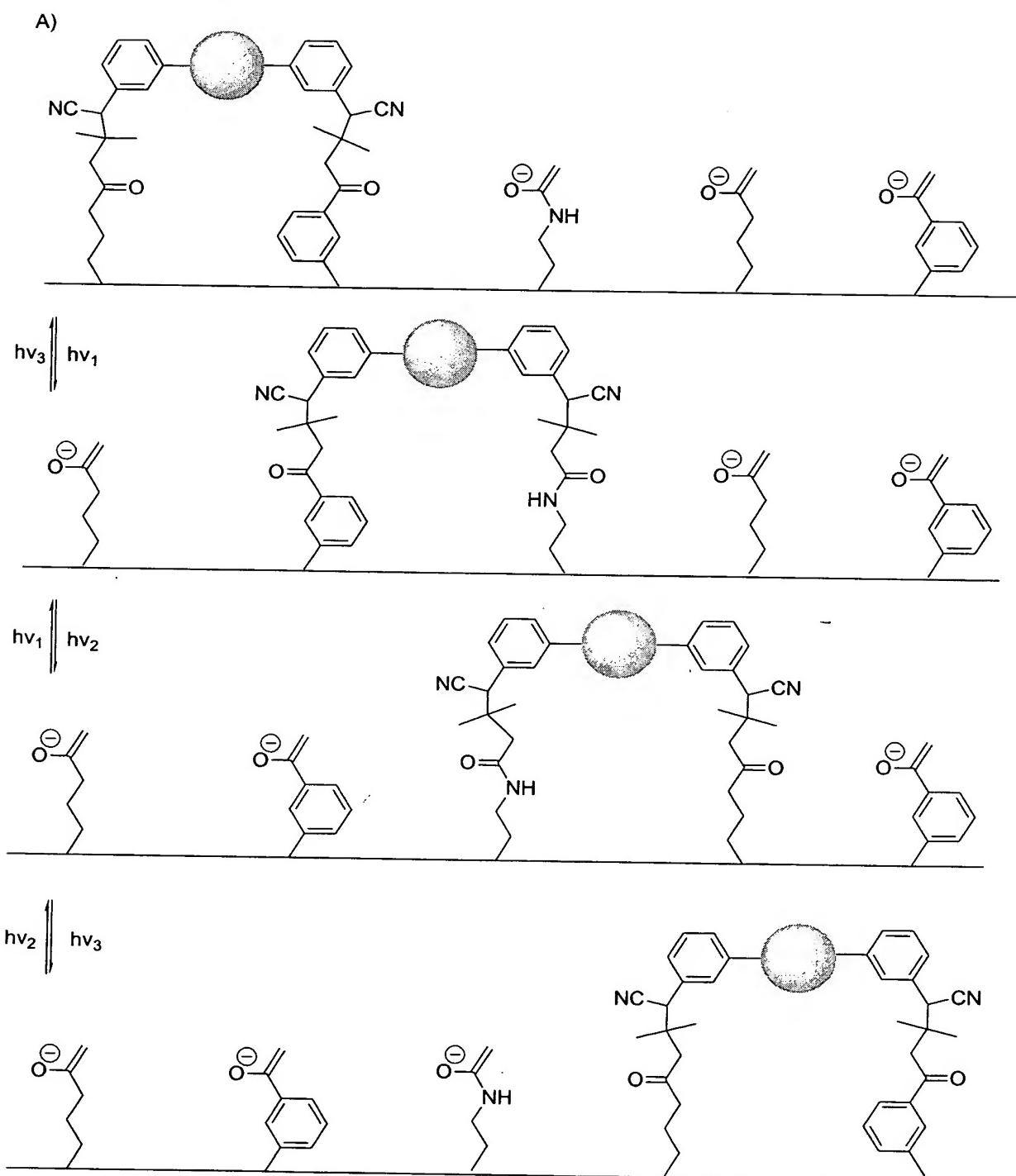


FIG. 9a

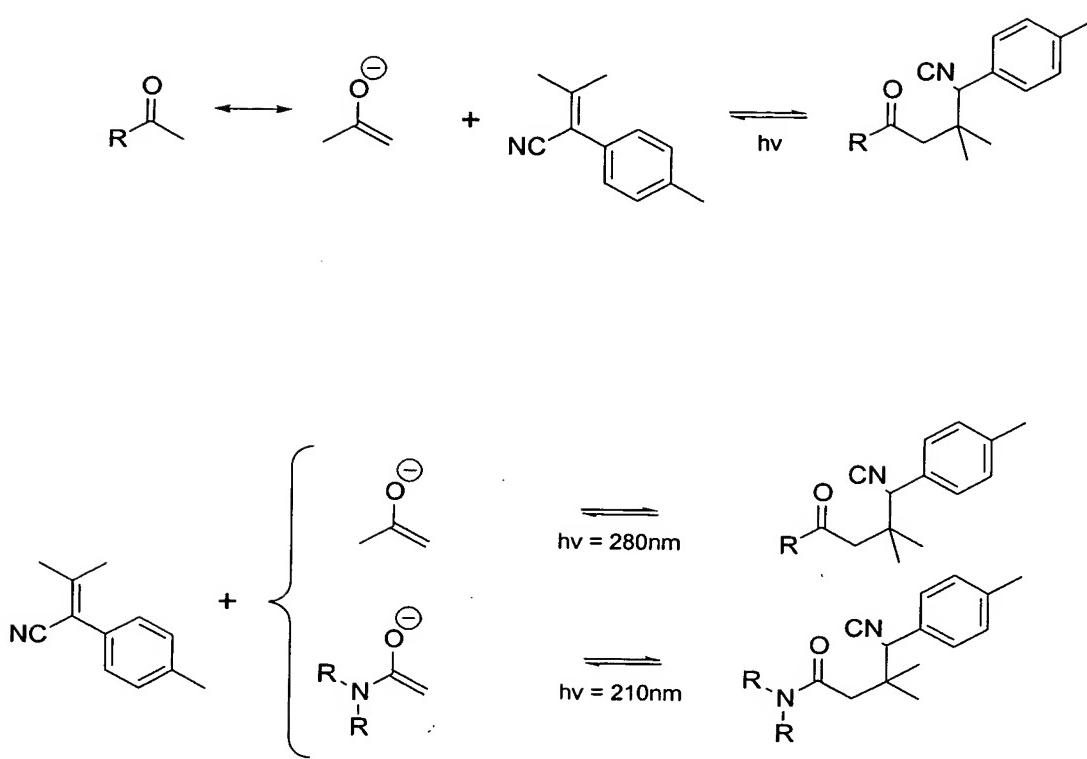
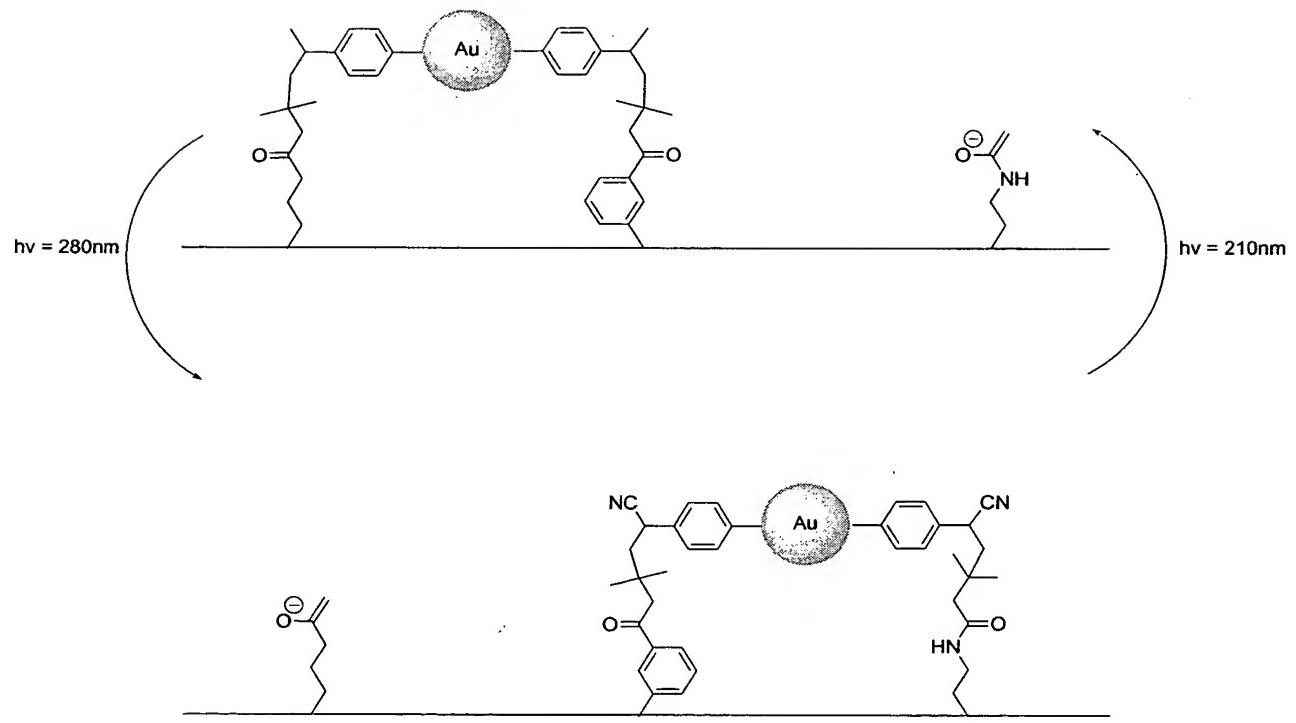


FIG. 9b



**FIG. 9c**

A)

Functionality of protein-DNA interaction versus pH conditions

Protein	Acid	Neutral	Base
1	Active	Inactive	Inactive
2	Inactive	Active	Inactive
3	Inactive	Inactive	Active

B)

Functionality of protein-DNA interactions versus pH conditions for protein combinations

Protein combination	Acid	Neutral	Base
1 + 2	Active	Active	Inactive
1 + 3	Active	Inactive	Active
2 + 3	Inactive	Active	Active

**FIG. 10 a and b**

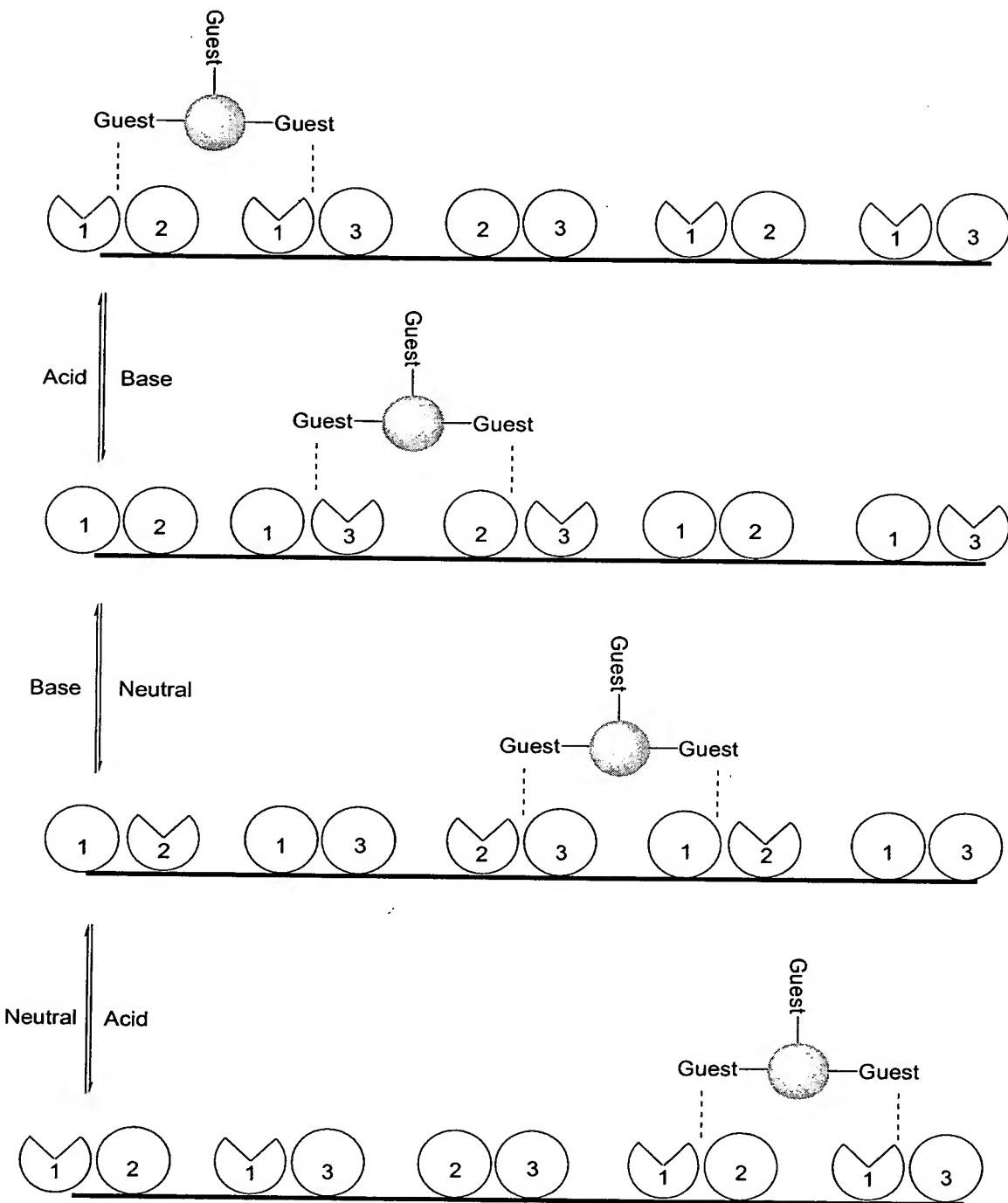


FIG. 10c

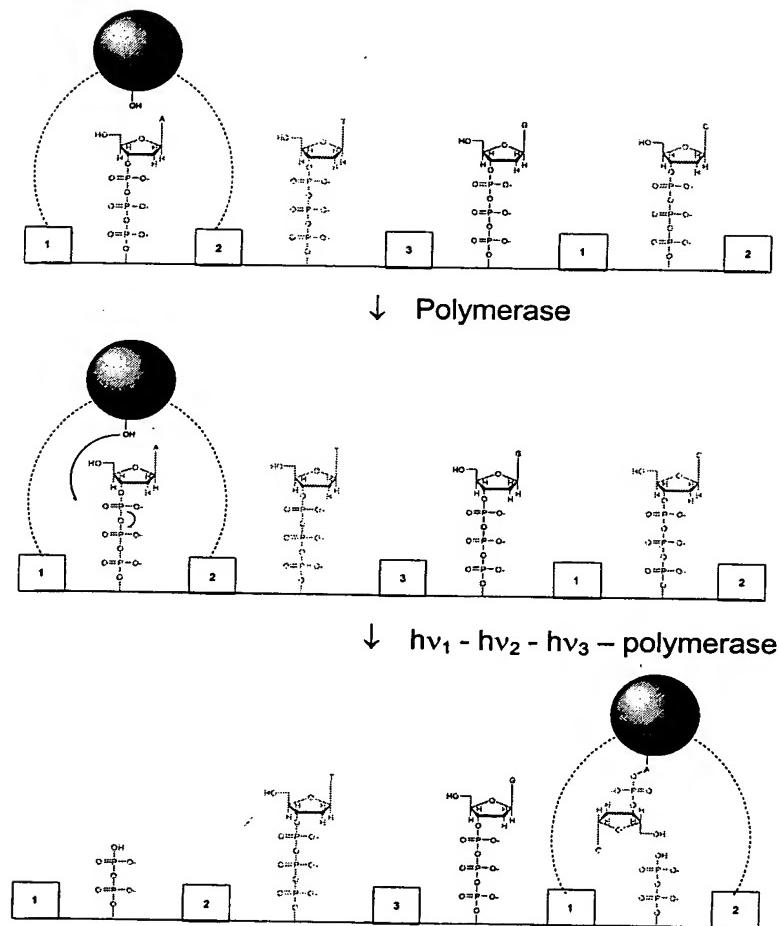
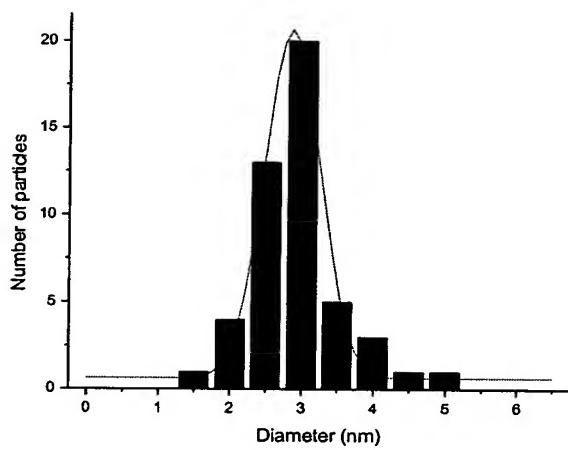


FIG. 11

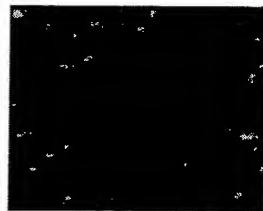
a)



b)



c)



**FIG. 12**

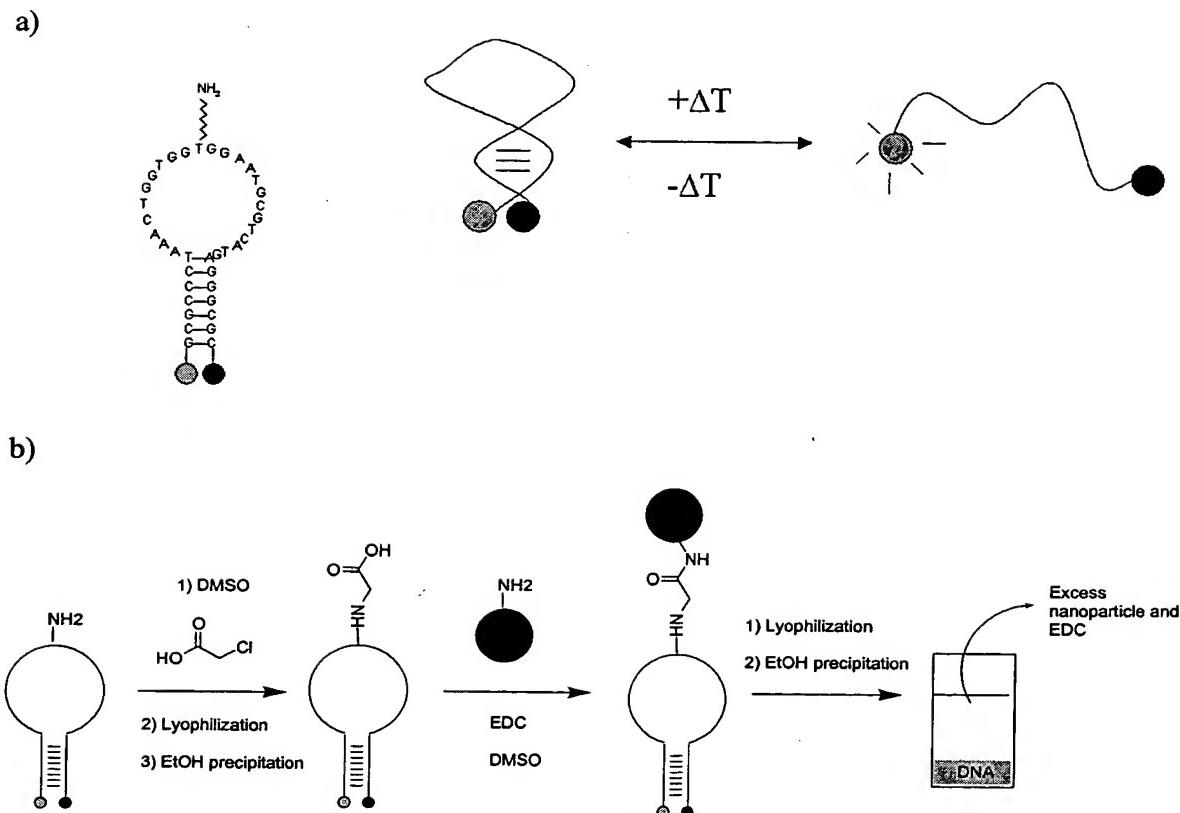


FIG. 13

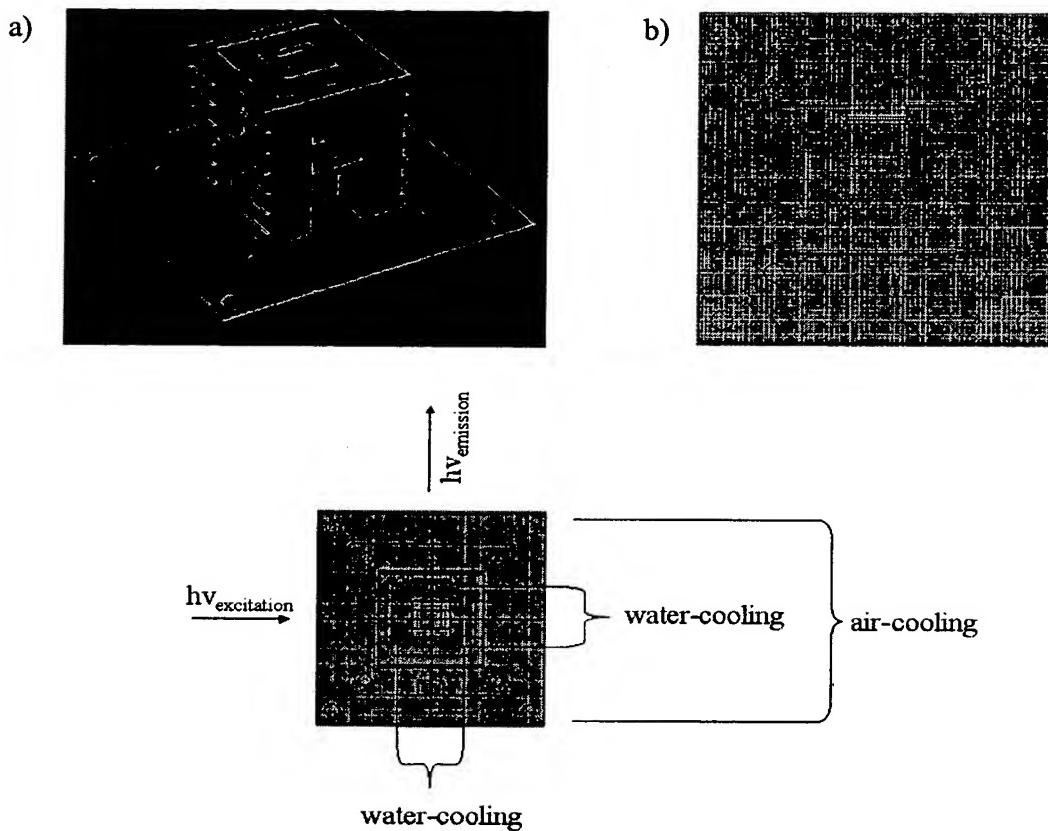
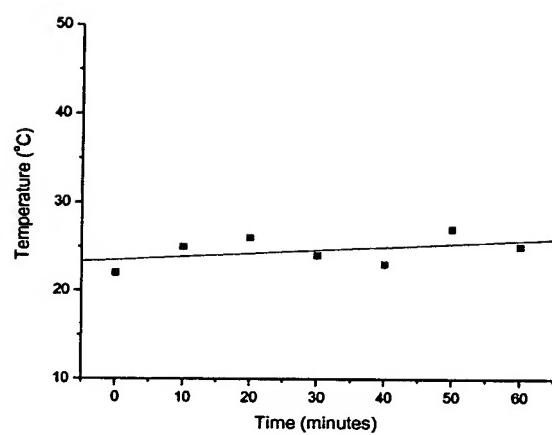
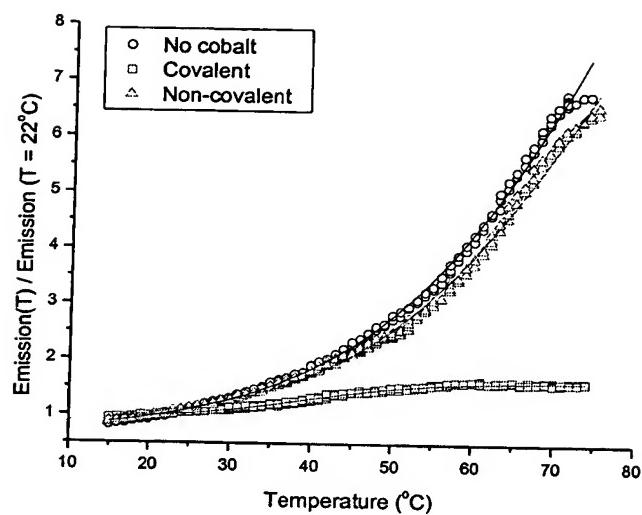


FIG. 14

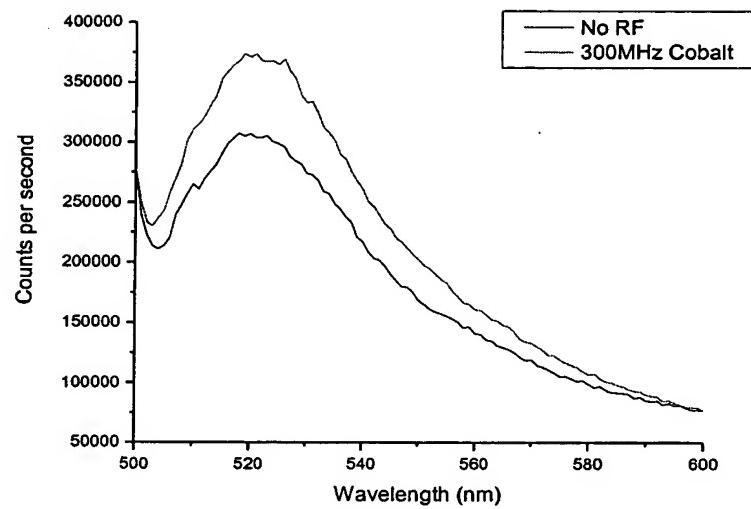


**FIG. 15**



**FIG. 16**

a)



b)

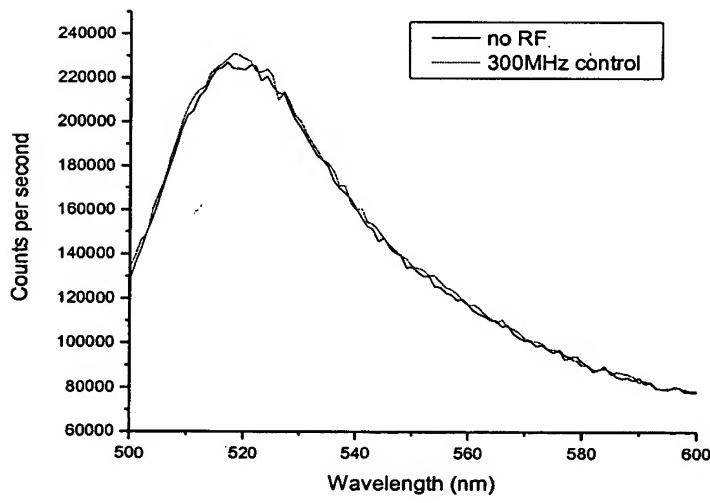
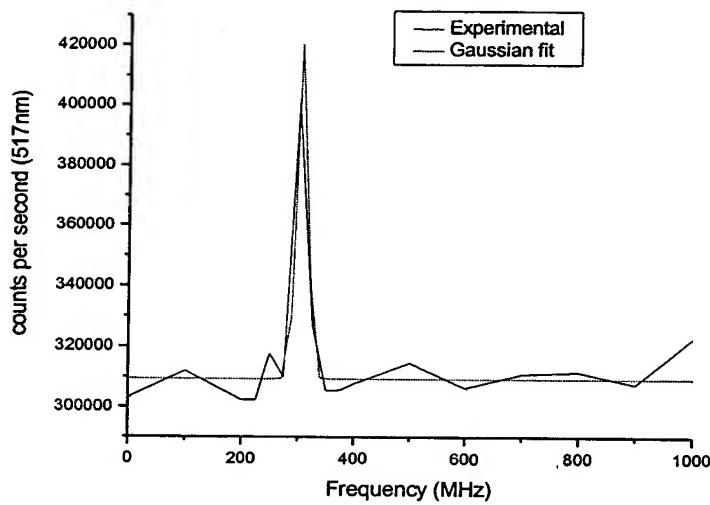
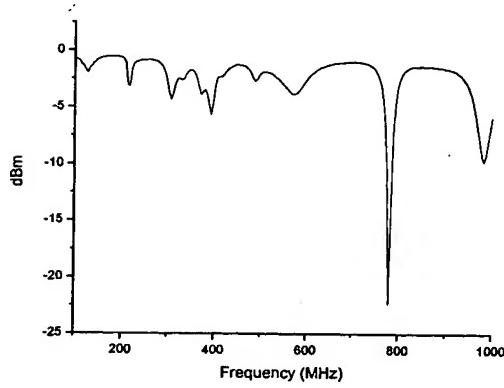


FIG. 17

a)



b)



**FIG. 18**

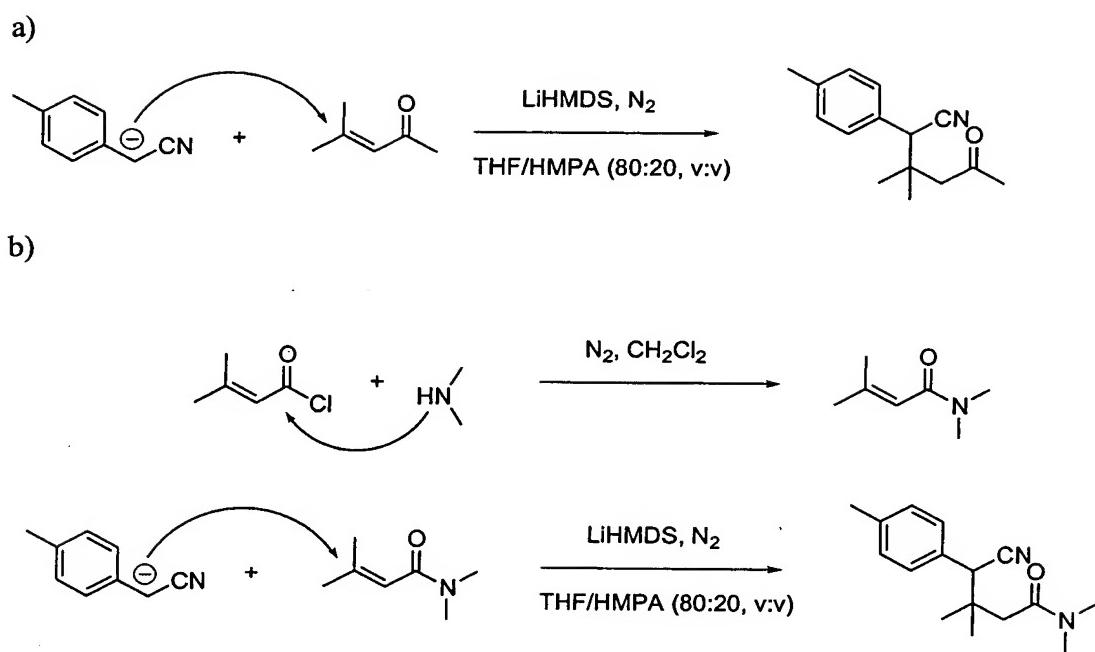
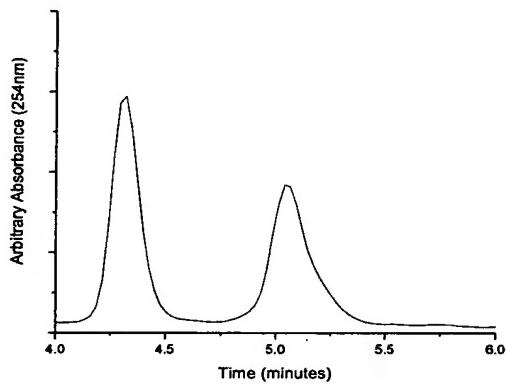
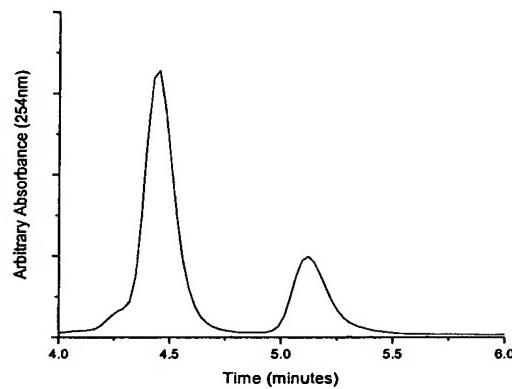


FIG. 19

a) Compound (X) ( $\lambda > 290\text{nm}$ )

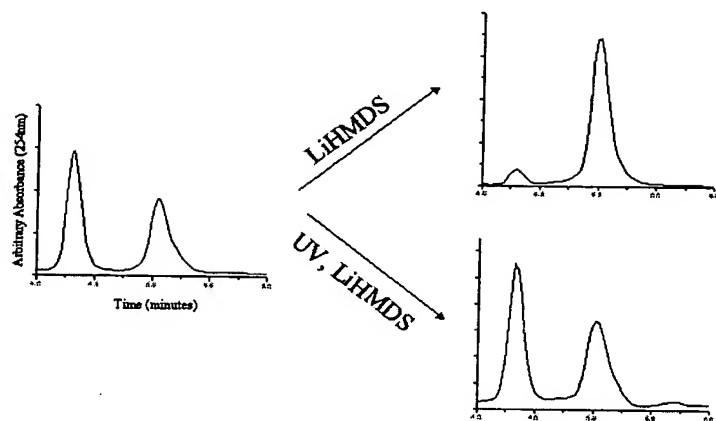


b) Compound (Y)  $\lambda = 215\text{nm}$



**FIG. 20**

a) Compound (X)



b) Compound (Y)

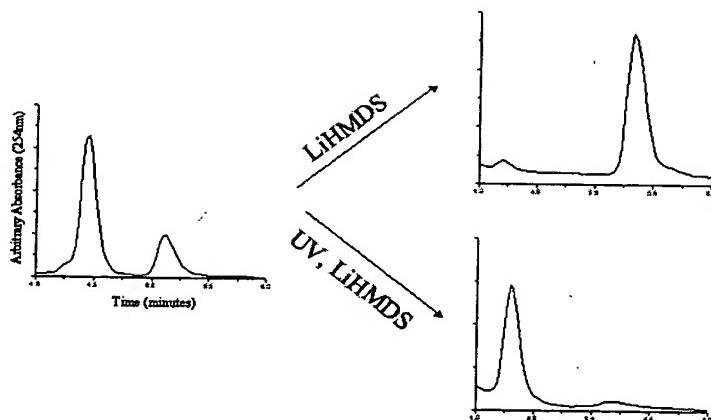


FIG. 21

